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Amendments to the Claims:

Please amend the claims as shown. Applicants reserve the right to pursue any cancelled claims at a later date.

1.-3. (cancelled)

4. (currently amended) A system for connecting a mobile data unit to a field bus, comprising:

a coupling unit connected to the field bus via a spur line and a line driver, wherein signals at an output of the line driver are injected via a first level converter in the coupling unit into a first data link or are received from the first data link;

a mobile data unit receiving the signals via a first level converter in the mobile data unit from the first data link or injecting the signals into the first data link;

~~a~~the first data link connected to the first level converter in the coupling unit via an electrical jack for communicating data between the mobile data unit and the field bus;

a presence detection circuit comprising a digital signal line providing a presence signal responsive to coupling of the mobile data unit to the coupling unit; and

a local controller connected to the field bus and connected to the presence detection circuit for receiving the presence signal, wherein the local controller can transmit a selection of views to the mobile data unit via the digital signal line.

5.-8. (cancelled)

9. (currently amended) The system as in claim 4, wherein the presence detection circuit comprises an additional signal line, and the local controller can transmit a selection of views to the mobile data unit via the additional signal line.

10. (currently amended) The system according to claim 4, further comprising;

~~second,~~ second and third level converters in the coupling unit connected to the line driver for data communication therewith;

a second data link connected to the second level converter in the coupling unit via said electrical jack for communicating data between the mobile data unit and the field bus;

a third data link connected to the third level converter in the coupling unit via said electrical jack for communicating control signals between the mobile data unit and the line driver; and

wherein each level converter converts an electrical signal between a short range electrical signal provided to or from the line driver and a longer range electrical signal provided to or from the respective data link.

11. (cancelled)

12. (currently amended) A system for connecting a mobile data unit to a field data bus, comprising;

a line driver connected to the field data bus for data communication therewith;

first, second, and third line signal level converters connected to the line driver for data communication therewith;

a first data communication link connected to the first line signal level converter via an electrical jack for communicating data between the mobile data unit and the field data bus;

a second data communication link connected to the second line signal level converter via said electrical jack for communicating data between the mobile data unit and the field data bus;

a third data communication link connected to the third line signal level converter via said electrical jack for communicating control signals between the mobile data unit and the line driver;

each line signal level converter converting an electrical signal between a short range electrical signal provided to or from the line driver and a longer range electrical signal provided to or from the respective data communication link;

the respective data communication links comprising a connecting cable for selectively connecting the mobile data unit to the field data bus;

a presence detection circuit providing a presence signal responsive to connection of the mobile data unit to the field data bus via the connecting cable; and

a local controller connected to the field data bus and receiving the presence signal;

wherein the presence detection circuit comprises a digital signal line, and the local controller can transmit a selection of views to the mobile data unit via the digital signal line.